

| L Number | Hits    | Search Text   | DB                 | Time stamp       |
|----------|---------|---|--------------------|------------------|
| -        | 459     | atomic adj layer adj deposit\$3   | USPAT;<br>US-PGPUB | 2003/01/16 15:18 |
| -        | 52911   | tantalum adj nitride or TaN   | USPAT;<br>US-PGPUB | 2003/01/16 17:18 |
| -        | 34      | (atomic adj layer adj deposit\$3) same (tantalum adj nitride or TaN)                | USPAT;<br>US-PGPUB | 2003/01/16 15:19 |
| -        | 52911   | tantalum adj nitride or TaN   | USPAT;<br>US-PGPUB | 2003/01/16 17:18 |
| -        | 9910    | diffusion near3 barrier   | USPAT;<br>US-PGPUB | 2003/01/16 17:18 |
| -        | 225723  | capacitor   | USPAT;<br>US-PGPUB | 2003/01/16 17:19 |
| -        | 194     | capacitor and ((tantalum adj nitride or TaN ) same (diffusion near3 barrier))       | USPAT;<br>US-PGPUB | 2003/01/16 18:35 |
| -        | 158     | (438/399).CCLS.   | USPAT;<br>US-PGPUB | 2003/01/16 18:46 |
| -        | 169800  | barrier   | USPAT;<br>US-PGPUB | 2003/01/16 18:46 |
| -        | 2517    | (tantalum adj nitride or TaN ) same barrier   | USPAT;<br>US-PGPUB | 2003/01/16 18:47 |
| -        | 719     | capacitor and ((tantalum adj nitride or TaN ) same barrier)                         | USPAT;<br>US-PGPUB | 2003/01/16 18:50 |
| -        | 1126616 | opening   | USPAT;<br>US-PGPUB | 2003/01/16 18:50 |
| -        | 1095007 | via   | USPAT;<br>US-PGPUB | 2003/01/16 18:50 |
| -        | 747368  | hole  | USPAT;<br>US-PGPUB | 2003/01/16 18:51 |
| -        | 7642    | diffusion adj barrier   | USPAT;<br>US-PGPUB | 2003/01/16 18:52 |
| -        | 284     | (tantalum adj nitride or TaN ) same (diffusion adj barrier) same (opening via hole) | USPAT;<br>US-PGPUB | 2003/01/16 18:53 |

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| 1        | 459   | atomic adj layer adj deposit\$3                                      | USPAT;<br>US-PCPUB | 2003/01/16 15:18 |
| 2        | 52911 | tantalum adj nitride or TaN  | USPAT;<br>US-PCPUB | 2003/01/16 15:18 |
| 3        | 34    | (atomic adj layer adj deposit\$3) same (tantalum adj nitride or TaN) | USPAT;<br>US-PCPUB | 2003/01/16 15:19 |